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## Product Datasheet

### Human MCP4 protein, His tag (active), Unconjugated GTX00107-PRO

|                            |   |
|----------------------------|---|
| Article Name               | Human MCP4 protein, His tag (active), Unconjugated  |
| Biozol Catalog Number      | GTX00107-PRO  |
| Supplier Catalog Number    | GTX00107-pro  |
| Alternative Catalog Number | GTX00107-PRO-10   |
| Manufacturer               | GeneTex   |
| Category                   | Proteine/Peptide  |
| Application                | FA  |
| Species Reactivity         | Human   |
| Conjugation                | Unconjugated  |
| NCBI                       | <a href="#">6357</a>  |
| UniProt                    | <a href="#">Q99616</a>  |
| Buffer                     | Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300. |
| Expression System          | E. coli   |
| Form                       | Lyophilized powder  |
| Sequence                   | N-terminal His-Tag, Phe17~Thr98 (NP_005399.1)   |

|                   |   |
|-------------------|---|
| Application Notes | <p>CCL13 (C-C motif chemokine 13) is a chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils, which belongs to the CC chemokine subfamily. It has been reported that CCL13 can induce chemotactic migration of THP-1 cells. Therefore, chemotaxis assay used 24-well microchemotaxis system was undertaken to detect the chemotactic effect of CCL13 on the human monocytic cell line THP-1. Briefly, THP-1 cells were seeded into the upper chambers (100 µl cell suspension, 1x10<sup>6</sup> cells/ml in RPMI-1640 with 0.5% FBS) and CCL13 (50 ng/ml and 100 ng/ml diluted separately in serum free RPMI-1640) was added in lower chamber with a polycarbonate filter (8µm pore size) used to separate the two compartments. After incubation at 37°C with 5% CO<sub>2</sub> for 3h, the filter was removed, then cells in low chamber were observed by inverted microscope at low magnification (*100) and the number of migrated cells were counted at high magnification (*400) randomly. CCL13 is able to induce migration of THP-1 cells.</p> |
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